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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/017,230	12/07/2001	Mette Vesterager Petersen	45900-000713/US	1576
30593 75	90 05/24/2005		EXAM	INER
HARNESS, DICKEY & PIERCE, P.L.C.			DERWICH, KRISTIN M	
P.O. BOX 8910)			
RESTON, VA 20195			ART UNIT	PAPER NUMBER
			2132	
			DATE MAILED: 05/24/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	I A II			
	Application No.	Applicant(s)			
Office Action Summary	10/017,230	PETERSEN ET AL.			
Office Action Summary	Examiner	Art Unit			
The MAILING DATE of this communication app	Kristin Derwich	2132			
Period for Reply	ears on the cover sheet with the t	correspondence address			
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).					
Status					
1) Responsive to communication(s) filed on 07 De	ecember 2001.				
	action is non-final.				
3) Since this application is in condition for allowan	nce except for formal matters, pro	osecution as to the merits is			
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims					
4) Claim(s) 1-119 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) 1-119 are subject to restriction and/or election requirement.					
Application Papers					
9) The specification is objected to by the Examiner	r.				
10)⊠ The drawing(s) filed on <u>07 December 2001</u> is/ar	re: a)⊠ accepted or b)⊡ object	ted to by the Examiner.			
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).					
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.					
Priority under 35 U.S.C. § 119					
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 					
Attachment(s)					
1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413)					
Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date S. Patent and Trademark Office	Paper No(s)/Mail Do 5) Notice of Informal P 6) Other:	ate Patent Application (PTO-152)			

PTOL-326 (Rev. 1-04)

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DETAILED ACTION

Election/Restrictions

- 1. Restriction to one of the following inventions is required under 35 U.S.C. 121:
 - I. Claims 1-57, 77-78, 86-88, 89-91 and 97-119, drawn to a method of performing numerical computations, classified in class 708, subclass 490.
 - II. Claims 58-68, drawn to a method of detecting periodic behavior, classified in class 708, subclass 446.
 - III. Claims 69-73, 76, 92-95 drawn to a method of generating a pseudo random number, classified in class 380, subclass 45.
- 2. The inventions are distinct, each from the other because of the following reasons: Inventions group 1, group 2 and group 3 are related as combination and subcombination. Inventions in this relationship are distinct if it can be shown that (1) the combination as claimed does not require the particulars of the subcombination as claimed for patentability, and (2) that the subcombination has utility by itself or in other combinations (MPEP § 806.05(c)). In the instant case, the combination as claimed does not require the particulars of the subcombination as claimed because the combination, group 1, as claimed, does not require the particulars of the subcombination of group 2 as claimed because the particulars of how to detect periodic behavior are not recited in the combination, group 1. The subcombination has separate utility such as detecting periodic behavior in the solution of any mathematical system.

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The combination as claimed does not require the particulars of the subcombination of group 3 as claimed because although some of the particulars of how the pseudo random number is generated is recited in the combination of group 1, the subcombination is broader than what is recited in the combination, thus the method disclosed in group 3 for generating a pseudo random number would not necessarily need to be used in the combination. The subcombination of group 3 has separate utility such as a pseudo random number generator for any application that requires the use of a pseudo random number.

3. This application contains claims directed to the following patentably distinct species of the claimed invention: Numerical computation method.

Applicant is required under 35 U.S.C. 121 to elect a single disclosed species for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable. Currently, the invention as set forth in claim 119 is generic.

Applicant is advised that a reply to this requirement must include an identification of the species that is elected consonant with this requirement, and a listing of all claims readable thereon, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered nonresponsive unless accompanied by an election.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which are written in dependent form or otherwise include all the limitations of an allowed generic claim as provided by 37 CFR 1.141. If claims

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are added after the election, applicant must indicate which are readable upon the elected species. MPEP § 809.02(a).

Should applicant traverse on the ground that the species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C. 103(a) of the other invention.

4. Claims 74, 75, 83 and 84 link(s) inventions group 2 and group 3. The restriction requirement between the linked inventions is subject to the nonallowance of the linking claim(s), claims 74, 75, 83 and 84. Upon the allowance of the linking claim(s), the restriction requirement as to the linked inventions shall be withdrawn and any claim(s) depending from or otherwise including all the limitations of the allowable linking claim(s) will be entitled to examination in the instant application. Applicant(s) are advised that if any such claim(s) depending from or including all the limitations of the allowable linking claim(s) is/are presented in a continuation or divisional application, the claims of the continuation or divisional application may be subject to provisional statutory and/or nonstatutory double patenting rejections over the claims of the instant application.

Where a restriction requirement is withdrawn, the provisions of 35 U.S.C. 121 are no longer applicable. *In re Ziegler*, 44 F.2d 1211, 1215, 170 USPQ 129, 131-32 (CCPA 1971). See also MPEP § 804.01.

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- 5. Claims 79-82, 85 link(s) inventions group 1 and group 3. The restriction requirement between the linked inventions is subject to the nonallowance of the linking claim(s), claims 79-82, 85. Upon the allowance of the linking claim(s), the restriction requirement as to the linked inventions shall be withdrawn and any claim(s) depending from or otherwise including all the limitations of the allowable linking claim(s) will be entitled to examination in the instant application. Applicant(s) are advised that if any such claim(s) depending from or including all the limitations of the allowable linking claim(s) is/are presented in a continuation or divisional application, the claims of the continuation or divisional application may be subject to provisional statutory and/or nonstatutory double patenting rejections over the claims of the instant application.

 Where a restriction requirement is withdrawn, the provisions of 35 U.S.C. 121 are no longer applicable. *In re Ziegler*, 44 F.2d 1211, 1215, 170 USPQ 129, 131-32 (CCPA 1971). See also MPEP § 804.01.
- 6. Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification, restriction for examination purposes as indicated is proper.
- 7. Because these inventions are distinct for the reasons given above and the search required for any of the groups is not required for any of the other groups, restriction for examination purposes as indicated is proper.

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Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kristin Derwich whose telephone number is 571-272-7958. The examiner can normally be reached on Monday - Friday, 8:00-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gilberto Barron can be reached on 571-272-3799. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

KD KD

Kristin Derwich Examiner Art Unit 2132

GILBERTO BARRON (C. SUPERVISORY PATENT EXAMINER TECHNOLOGY CENTER 2100)